Appl. No. 09/601,368

Amendment dated September 13, 2004

Reply to Non-Final Office Action of May 20, 2004

## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

- 1.-9. (Canceled)
- 10-14. (Canceled)
- 15. (Currently amended) A <u>two-package</u> kit for permanently waving hair comprising:
- (a) a cationic dye solution comprising at least one cationic dye, wherein the cationic dye is present in an amount effective to color hair and has a quaternary nitrogen atom that is optionally delocalizable and an -X=N-bond, wherein X is a nitrogen atom or an -CH- group; and
- (b) an oxidative fixing solution comprising at least one oxidative fixing agent for permanently waving the hair.
- 16. (Previously Presented) The kit of claim 15 further comprising a reducing solution comprising at least one reducing agent.
- 17. (Previously Presented) The kit of claim 16 wherein the cationic dye is represented by formula I:

$$[A-Z=N-B]^{+}X^{-}$$

wherein Z is a nitrogen atom or a CH group;

A and B are independently of one another, a benzene ring or aromatic heterocycle group that is substituted or unsubstituted; and

X is an anion.

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18. (Previously Presented) The kit of claim 15 wherein the cationic dye comprises 4-aminophenylazo-2-hydroxy-7trimethylammoniumnaphthalene chloride, 2-methoxyphenylazo-2-hydroxy-7-trimethylammoniumnaphthalene chloride, 4-amino-3-nitrophenylazo-2-hydroxy-7trimethylammoniumnaphthalenechloride, 3trimethylammoniumphenylazo-4N-phenyl-2-methyl-5hydroxypyrazole chloride, (1-methyl-1-phenyl)-2-(1-methine-4N-methylpyridinium) hydrazine (1-methyl-1chloride, paramethoxyphenyl) -2-(1-methine-4N-methylpyridinium) hydrazine chloride, (1-methyl-1-paramethoxyphenyl)-2-(1methine-4N-methylpyridinium) hydrazine methylsulfate, dimethylaminophenylazo-2N-methyl-5N-methylimidazolium chloride, 4-dimethylaminophenylazo-2N-methyl-3N-4-methylaminophenylazo-2Nmethylpyrazolium chloride, methyl-5N-methylimidazolium chloride, 4-aminophenyla20-2Nmethyl-5N-methylimidazolium chloride. dimethylaminophenylazo-4N-methylpyridinium chloride. 4 dimethylaminophenylazo-4N-oxidopyridinium chloride, 4-(4aminophenylamino) phenylazo-2N-methyl-5N-methylimidazolium, or3-amino-7-(dimethylamino)-2-methoxyphenoxazine-5-ium chloride, or combinations thereof.

- 19. (Currently amended) A method of permanently waving hair comprising
- (a) applying a reducing solution to hair wherein the reducing solution comprises at least one reducing agent;
- (b) applying at least one oxidative fixing solution to the hair wherein the oxidative fixing solution comprises at least one oxidative fixing agent for permanently waving the hair; and

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- (c) applying to the hair at least one cationic dye in an amount effective to color the hair and having a quaternary nitrogen atom that is optionally delocalizable and an -X=N- bond, wherein X is a nitrogen atom or a -CH-group, and wherein the cationic dye is applied to the hair (i) as a component of the oxidative fixing solution, or (ii) as a component of a third-solution after application of the oxidative fixing solution, or (iii) both.
- 20. (Previously Presented) The method of claim 19 wherein the cationic dye is represented by formula I:

$$[A-Z=N-B]^{+} X$$
 (I)

wherein Z is a nitrogen atom or a CH group;

A and B are independently of one another, a benzene ring or aromatic heterocycle group that is substituted or unsubstituted; and

X is an anion.

- 21. (Previously Presented) The method of claim 20 wherein A or B or both have one or more substituents selected from halogen atoms,  $NR_1R_2$  groups, or  $OR_1$  groups, wherein  $R_1$  and  $R_2$  are independently selected from hydrogen, a  $C_1$  to  $C_6$  alkyl group, a  $C_1$  to  $C_4$  hydroxyalkyl group, or a phenyl group.
- 22. (Previously Presented) The method of claim 21 wherein the cationic dye comprises 4-aminophenylazo-2-hydroxy-7-trimethylammoniumnaphthalene chloride, 2-methoxyphenylazo-2-hydroxy-7-trimethylammoniumnaphthalene chloride, 4-amino-3-nitrophenylazo-2-hydroxy-7-

trimethylammoniumnaphthalenechloride,

3-

trimethylammoniumphenylazo-4N-phenyl-2-methyl-5-

hydroxypyrazole chloride, (1-methyl-l-phenyl)-2-(1-methine-

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chloride, (1-methyl-1hydrazine 4N-methylpyridinium) paramethoxyphenyl)-2-(1-methine-4N-methylpyridinium) (1-methyl-1-paramethoxyphenyl)-2-(1chloride, hydrazine hydrazine methylsulfate, 4methine-4N-methylpyridinium) dimethylaminophenylazo-2N-methyl-5N-methylimidazolium 4-dimethylaminophenylazo-2N-methyl-3Nchloride, 4-methylaminophenylazo-2Nchloride, methylpyrazolium methyl-5N-methylimidazolium chloride, 4-aminophenylazo-2Nchloride, methyl-5N-methylimidazolium dimethylaminophenylazo-4N-methylpyridinium chloride, 4 -4-(4dimethylaminophenylazo-4N-oxidopyridinium chloride, aminophenylamino) phenylazo-2N-methyl-5N-methylimidazolium, 3-amino-7-(dimethylamino)-2-methoxyphenoxazine-5-ium or chloride, or combinations thereof.

- 23. (Currently amended) The method of claim 19 wherein the cationic dye is present in the oxidative fixing solution or the third solution in an amount of from 0.001 weight percent to 3 weight percent, based on the total weight of the solution.
- 24. (Previously Presented) The method of claim 19 wherein the solution containing the cationic dye has a pH of 5 or greater.
- 25. (Previously Presented) The method of claim 24 wherein the solution containing the cationic dye comprises 60 weight percent or greater water.